

## Patent claims

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- 5 1. Method for operating mobile telecommunication terminals in a public, cellular mobile radio network comprising at least one base transmitting-receiving station and one mobile station, particularly a mobile telephone, characterized in that the mobile station logs off from the respective base transmitting-receiving station as a subscriber in the mobile radio network when a first message of a locally emitting transmitter of small capacity is received, whereby, subsequent to the network logoff, 10 the mobile station, with regard to the radio cell, is completely deactivated and stopped or passes over into an inactive call-blocked modus on the part of the network and/or into a modus that is blocked for outgoing calls and whereby it is reactivated when a second message is received from the locally emitting transmitter.
- 15 2. Method according to claim 1, characterized in that the mobile station, when the transmission range of the locally emitting transmitter is left, is manually activated and is logged into the network given a lack of the second message.
- 20 3. Method according to claim 1, characterized in that the respective mobile station automatically passes over into the active modus and accepts the standby operation when the second message is not received over a 25 prescribable time interval.
- 30 4. Method according to one of the previous claims, characterized in that the reception of the first and/or second message is optically and/or acoustically signalized, whereby the message content and or message parameter can be displayed.
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5. Device for operating mobile telecommunication terminals in a public, cellular mobile radio network comprising at least one base transmitting-receiving station and one mobile station, particularly a mobile station (MT), whereby the mobile station (MT) comprises a transmitter-receiver assembly, a micro controller, a current supply unit, as well as input assemblies and output assemblies,  
characterized in that  
the transmitter-receiver assembly additionally comprises a pico cell radio device (FS) for receiving and evaluating specified messages (C), whereby the pico cell radio device (FS) leads the specified messages (C) onto the micro controller in order to initiate it to transmit a network logoff signal via the transmitter-receiver assembly, and whereby the micro controller initiates the deactivation of the part of the transmitter-receiver assembly that is required for communicating with the base station.
6. System for operating mobile telecommunication terminals in a public, cellular mobile radio network comprising at least one base transmitting-receiving station and one mobile station, particularly a mobile telephone,  
characterized in that  
a pico cell transmitter fixed station (FS) is arranged in access areas or at locations where, with regard to the radio cell, active sending mobile stations or the use of such mobile stations is inadmissible or undesired, so that specified messages are emitted in order to automatically deactivate and reactivate the mobile stations situated in the transmission range.
7. System according to claim 6,  
characterized in that  
the pico cell transmitter fixed station (FS) of small capacity is arranged in the area of openings for persons or road of [sic] airplanes.
8. System according to claim 6 or 7,

characterized in that  
a present pico cell radio system is used as pico cell transmitter fixed station and for  
the corresponding radio device in the mobile telephone.

- 5 9. System according to claim 8,  
characterized in that  
the pico cell radio system is a DECT standard system or a blue-tooth standard system.

- 10 10. System according to claim 9,  
characterized in that  
the mobile telephone is a dual mode mobile telephone, particularly a DECT-GSM  
mobile telephone.

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